

Title (en)

PNEUMATIC WINDING MECHANISM FOR A TIMEPIECE COMPRISING A MECHANICAL ENERGY SOURCE

Title (de)

PNEUMATISCHER AUFZIEHMECHANISMUS FÜR EINE UHR MIT EINER MECHANISCHEN ENERGIEQUELLE

Title (fr)

MECANISME DE REMONTAGE PNEUMATIQUE POUR PIECE D'HORLOGERIE COMPORTANT UNE SOURCE D'ENERGIE MECANIQUE

Publication

EP 2656149 B1 20141008 (FR)

Application

EP 11813874 A 20111215

Priority

- EP 10196325 A 20101221
- EP 2011072980 W 20111215
- EP 11813874 A 20111215

Abstract (en)

[origin: EP2469350A1] The mechanism has a sealed enclosure (20) containing a mixture of reactants comprising metal alloy arranged in contact with gas. The reactant mixture has pressure coefficient greater than 0.01 bar or temperature coefficient equal to per degree Celsius within an operating temperature range between 0 and 50 degree Celsius and an operating pressure range between 1 and 50 bars. The reactant mixture is selected such that minimum possible temperature difference associated with consecutive opposite variations in ambient temperature in the enclosure is less than or equal to 4 degree Celsius. The gas is dihydrogen or dideuterium gas. An independent claim is also included for a timepiece comprising a pneumatic mechanism.

IPC 8 full level

G04B 5/22 (2006.01)

CPC (source: EP US)

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